



ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXXVI NO. 11

P. O. BOX 3454, TUSTIN, CA. 92681

NOVEMBER 1995

Prez Sez.....

Next month is our election. If you have an interest in running for a position please let Bud, Tom or Lloyd know soon. The phone numbers for both Bud and Tom are on the officers banner. If you know someone that you think would do a good job for the club and that is willing to do it, give one of the nomination committee a call. My thanks to the nomination committee for their work.



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Last Name	First	Call	City	St Zip
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JOHNSTON	TERRY	KB6TBP	ANAHEIM	CA
Rogers	Walt	KC6LTD	Buena Park	CA 90620
Youngquist	Carl	W6DYI	Fountain Valley	CA 92708
Atwell	Howard	KA6CZI	Anaheim	CA 92807
Berry	Wyatt	WA6BPX	Garden Grove	CA 92643
Clarke	John	KD6PZF	Santa Ana	CA 92703
Coats	Robert	W9ESD	Costa Mesa	CA 92626
DeSmith	Bill	K6BWZ	Anaheim	CA 92806
Eckweiler	Bob	AF6C	Orange	CA 92669
Kimbell	Dennis	KB6VFC	Westminster	CA 92683
Konechy	Ken	W6HHC	Orange	CA 92669
MORRISON	JERRY	KC7CUX	YORBA linda	CA 92686
MURRY	STEVE	KE6DZR	LONG BEACH	CA 90808
Queen	Robert	KE6FUZ	Anaheim	CA 92805
Rasmussen	Steve	KE6NAH	Lakewood	CA 90712
Stewart	Jim	WA6PEN	Long Beach	CA 90808
Tegel	Bob	KD6XO	Westminster	CA 92683
Alexander	Ralph	W6RE	Tustin	CA 92680
Andersen	Phil	KZ6QE	Santa Ana	CA 92705
DAVIS	ALVA	W6NT	NEWPORT BEACH	CA 92660
Goepfinger	Tim	WB6OWD	Santa Ana	CA 92705
Hollander	Dave	W6COJ	Santa Ana	CA 92705
Hughes	Don	KC6ONZ	Garden Grove	CA 92640
Schumaker	Dick	W6AZW	Orange	CA 92669
TALCOTT	JAMES	N6JSV	SANTA ANA	CA 92705
Thatcher	Reg	W6ZXI	Newport Beach	CA 92663
WATTS	ALBERT	W6IBR	MORENO VALLEY	CA 92553
CHASE	ROBERT G.	N7AZ	SANTA ANA	CA 92705
WINN	JAMES L.	KB6UCH	TUSTIN	CA 92680
Fuschetti	Arthur	N6IAT	Corona Del Mar	CA 92625
Meacham	John	KJ6TK	Westminster	CA 92683
Roberts	Jim	N6XTJ	Long Beach	CA 90815
Roberts	John	WA6LAB	Santa Ana	CA 92707
Schnabel	Bob	KM6TL	Anaheim	CA 92805
Skipper	P.A.	KC6WJJ	Orange	CA 92667
Smith	Frank	WA6VKZ	Tustin	CA 92680
Thomas	Tom	WA6PFA	Orange	CA 92669
West	Charles	KB6TWA	Santa Ana	CA 92706
WEST	GORDON	WB6NOA	COSTA MESA	CA 92626
Yamachika	K.	W6NGO	Orange	CA 92669
Barkhurst	Bud	WA6VPP	Anaheim	CA 92805
Battenfield	Kay	KB6CYZ	Long Beach	CA 90808
Beilin	Larry	K6VDP	Costa Mesa	CA 92626
Breller	Chris	KJ6ZH	Bellflower	CA 90706
Buss	Bob	KD6BWH	Garden Grove	CA 92640
Cannon	Bob	W6UVC	Yorba Linda	CA 92686
Cresager	Bruce	KC6DLA	Orange	CA 92806
EVANS	BOB	W6ZE	SANTA ANA	CA 92701
Evans	Bob	WB6IXN	Santa Ana	CA 92701
Franzke	Rolf	KK6QW	Fountain Valley	CA 92708
Harwood	Lloyd	WB6ULU	Orange	CA 92667
HEYN	FREID	WA6WZO	COSTA MESA	CA 92626
Hollander	Jack	N6UC	Tustin	CA 92680
DIAZ	KEN	WB9Y CJ/6	SANTA ANA	CA 92706
Espino	Victor	ZB6EMQ	Anaheim	CA 92805
BEARD	PAUL	WD6FWX	TUSTIN	CA 92680

Addresses & phone #s
have been removed.

NETNEWS

10/4 15m phone net - W6ZE/AF6C checks in NGO, IXN, & RE. RE & IXN notes that AF6C drifts up & dwn the freq. Bob says that he is operating the xmitter & rcvr in unlocked position. NGO, wid no glasses present, finds it difficult to check his modulation! AF6C plans to replace the feedline, & NGO can't hear IXN's weak sigs in the high QRN at the QTH tonite! W6ZE says Kei may need insulator washing on the pwr lines passing near the QTH. NGO has a 15 minute contact wid Kaz this afternoon, and RE says sum lucky OPs, who hve license renewal in Dec., are going to get letters frm FCC wid form 610-R enclosed! Alex also warns OPs to stay off emergency freqs., designated by FCC on 40 & 80m, fer use during Hurricane Opal! And the eye Doc says that Alex' cataract is stable at present, so it's wait & see fer now!

10/4 2m phone net - W6ZE/IXN checks in BPX, RE, NG7D, VFC, VDP, PZF, QW, & BWH. BPX has knee surgery cancelled until Oct. 17. RE, soon to rpt into Traffic Net, tells OPs abt Dec. FCC form 610-R being sent to Dec. renewal licensees, and, freqs. on 40 & 80m to be avoided during Hurricane Opal! Abt 5,000 Dec. licensees will be receiving the temporary Form 610-R! BWH says he & RE had a great time participating in the American Diabetes Assoc. event over last weekend. And Bob airs and info-packed Newslne!..How abt that new special encoded digital formula fer the new Motorola rigs that the City of Cleveland will be using to keep 800 MHz communications out of the ears of the public! Wid most of the bands dwn, NG7D is lucky to work his Canadian friend in British Columbia on 20m yesterday afternoon! So, John spends extra time preparing fer the Club Auction this month. He hopes that VES will be bringing him to the auction!...And John says we shud be taking our hats off in appreciation fer the Red Cross hrs OPI is spending away frm the family! VFC 'flies in & flies out'...probably too much home work fer Dennis tonite! VDP & IXN catch up on house work, and Larry & QW pick up variable capacitors at the TRW Swap Meet last weekend. VDP throw his in the dishwasher, & it comes out sparkling new! VDP reminds IXN that Club Bfast is Sat., and Larry tells OPs we might hve a 6m speaker fer Nov. Club meeting. PZF attended a Tournament of Roses meeting in Pasadena last week, and finishes cleaning the carpet. QW plans to use his new variable cap. on a 160m tuner, as Rolf will miss the Club Auction as he plans to spend a few days in Spokane!

10/11 15m phone net - W6ZE/AF6C checks in HHC, IXN, & NG7D. HHC prepares to take the Dale Carnegie Course! And AF6C's dad still battles bladder infection. IXN goes to the Doc tomorrow to check up on a bad knee. And NG7D, IXN & AF6C discuss the Manzanillo event this past week. HHC announces that EICOM will sell off, at half price, discontinued merchandise at the Pomona Swap Meet on Oct. 21, and the TRW Swap Meet on Oct. 28! IXN was not aware of any 'seismic gap' along the American Trench.

10/11 2m phone net - W6ZE/IXN checks in AF6C, NG7D, BPX, ZH & TAM, PZF, VDP, VFC, EMQ, RE, BWH, HQI, QW, & ESD. Nice check-in, OPs! BPX gets ready fer knee surgery next Tues. at the Garden Grove Medical Center. Wyatt enjoys the Fall WX while Blanche visits the dermatologist. AF6C invites more OPs to join us on the 15m net, and wid no O.J. interview tonite, Bob wonders where VKZ is! NG7D didn't hear HHC & IXN too well on 15m tonite, but John works an XE2 in Monterrey, Mexico, thia afternoon on 20m. BWH airs Newslne, & IXN

tnx Bob fer passing 'RF' editor info to him on 147.705 MHz. ZH & TAM remind OPs this month is AUCTION! Get all of your goodies ready to go! PZF finds the desert rather bland on his visit to Lancaster over last weekend. And VFC 'flies in & flies off to his homework!' EMQ & XYL get bk frm Georgia where they watched their son graduate frm Border Patrol school. He will be stationed in San Diego. Then it's bk to the homework fer Victor, too! VDP will come to Club Auction, but will miss weekend swap meet as he travels to a karati tournament in Las Vegas. Larry also helped QW wid his garage sale last weekend. RE spends plenty of time running to the store & cooking these days. Alex tells OPs that the ARS of the western hemisphere concluded its tri-annual meeting wid 29 radio groups represented worldwide. QW & VDP sell over \$425 dollars worth of 'junk' at Rolf's garage sale! And ESD agrees wid VDP & QW abt the puny bickering that goes on at garage sales!

10/18 15m phone net - W6ZE/AF6C checks in HHC, IXN, and NG7D. NGO is 'across the pond', and Ida says he is enjoying himself! HHC reminds all abt the upcoming Club Auction Fri. eve.! And Ken hopes he won't be in a San Jose meeting Fri.! AF6C gets 'frogs' in his throat as AC hum breaks thru a circuit in the rig! And Bob will be 'partying' Fri. eve...He'll miss the Auction! IXN is still nursing a vy sore knee joint, and Bob looks fer a 220 MHz outdoor ant. fer an HT. Blanche Berry calls IXN & reports that Wyatt, BPX, is doing well after knee replacement surgery. BPX will be hospitalized fer physical therapy fer abt 7 days! NG7D revamps the RS-12 sched. as John prepares to complete his RS-12 WAS! And John cleans up the shack in preparation fer the Auction!

10/18 2m phone net - W6ZE/IXN checks in ZH & TAM, VDP, RE, BWH, ESD, NG7D, KC6OCA, N6WWZ, & KE6JPO. All OPs wish BPX well on his recent knee surgery! ZH will be an auctioneer at Club Auction Fri. eve. And Chris & TAM put fliers arnd local electronics stores. VDP will be at the Auction after all!...No school on Mon. allows VDP to put the Vegas trip off one day! Bill, BWZ, (via VDP) tells OPs that OCARC was 1st in our Class in CA. fer FD operations!...And, we ended up 9th in the Country! IXN asks VDP to bring his 220 MHz J-pole ant. to Auction Fri. eve. BWH experiences double duty...While airing Newsline, Bob handles emergency traffic!! Also, BWH said there was a 10m opening tonite! RE, OCA, formerly W6SAK, & IXN discuss Mildred, PJU, being first W6ZE's XYL, and then hitching up wid W6DEY after 'ZE's death. RE has been called fer jury duty. Forgetting abt the Auction, ESD buys 2 dinner dance tickets at the Costa Mesa Senior Center! IXN suggests Bob strap the HT to his belt so he can monitor proceedings whilst 'tripping the light fantastic'!! Sat., ESD will haul a bunch of 'stuff' to the DeVry Swap Meet. NG7D talks wid a buddy in Richmond, B.C., on 40m CW. And John alerts OPs to activity in the 900 MHz band! And, 3rd time being a charm, NG7D says bricklayers are bk re-doing the stained brick trim along the sidewalk. Ken, frm the San Fernando Valley, cools off at his girl friend's house in Costa Mesa. Ken, now N6WWZ, formerly KC6FOL, is once agn active on the bands! JPO & VDP discuss 6m operation as Jim quizzes Larry abt antennas & rigs during, and after, net.

10/25 15m phone net - W6ZE/AF6C checks in HHC, NGO, COJ, NG7D, & IXN. NGO is home frm JA Land. It was raining when Kei left Osaka Airport. But the trip home wasn't too bad..Kei had 3 seats to himself! HHC says OCARC made abt \$100 on the auction, wid only 7 sellers! Next Tues., HHC is off to San Jose fer a 'Halloween' business meeting! AF6C was busy eating a

Chinese dinner in lieu of the Auction! And COJ took visitors to dinner last Fri. eve. COJ gets his rotor problems solved, and HHC tells Dave that Neil & 'friend' were not at the Auction! NG7D tells OPs that he bought ZH's 'boat anchor' at the Auction. John removed a lot of goody parts & tubes frm the old Raytheon marine rig. IXN tells OPs that BPX had a small heart problem following recuperation frm knee surgery. Wyatt is in CCU at Garden Grove Medical Center, Rm 420, Bed 2. Blanche told IXN that BPX is improving!

10/25 2m phone net - W6ZE/IXN checks in VDP, QW, VFC, NG7D, UCH, RE, ZH & TAM. IXN gets the 220 MHz J-pole ant, he bought frm VDP, up & working..It's doing a FB job! VDP, wid son in a karati tournament, spends the weekend in Las Vegas. Larry is impressed wid the huge, new hotels! QW regrets hving to leave Spokane fer S. CA.! Rolf enjoyed the crystal clear air 40 deg. day temps., and the mixture of rain & shine in WA.! The road to the property is in, the septic system is under way, and Rolf is considering a modular home on the property!..Now to sell the business & QW is off to the new QTH!! Rolf found a 6m opening yesterday & heard a VE7 5/9 here! VFC, wid a nite off frm the homework, just kicks bk and enjoys the net! NG7D salvages a 2-jewel S-meter, abt \$60 worth of tubes, and sum marine freq. crystals frm ZH's old Raytheon 'boat anchor'! UCH, wid a homebrew ant. on the air fer the 1st time, draws 5/9 rpts frm listening OPs! RE checks in after the World Series game. Alex is an old 'Buckeye' frm the Cleveland area. RE escapes jury duty this time, and Alex gives a 224.94 down link, and a 448.500 up link freqs. fer Space Shuttle. ZH & TAM get bk frm Julian after their yearly trip fer apples..Now TAM is baking an apple cobbler! ZH starts jury duty on Mon., and Chris hears Myanmar DX! IXN informs OPs abt BPX's condx.

Government Study Sees More Ham Bands

A US government study concludes that amateurs could use 2180 additional kilohertz of spectrum in the future. The National Telecommunications and Information Administration (NTIA) reports this need in a just-released 10-year projection of spectrum requirements for all licensed radio services.

In November 1992 the ARRL responded to an NTIA notice of inquiry on this matter with extensive comments (see January 1993 QST, page 82). The ARRL said that amateurs depend on having a number of rela-

tively small frequency allocations scattered throughout the spectrum, to enable them to find the most effective slot for their desired communication, given their low transmitter power.

The League also said that amateurs tend to move to ever-higher frequencies when lower-frequency segments become saturated, "not unlike the situation with other radio services."

Here are the 2180 kilohertz cited in the NTIA report:

Between 30 and 50 MHz, five 50-kHz slots (250 kHz total);

160 to 190 kHz (30 kHz);

Near 5 MHz (50 kHz);

Expansion of 10 MHz band (200 kHz);

Expansion of 14 MHz band (50 kHz);

Expansion of 18 MHz band (150 kHz);

Expansion of 24 MHz band (150 kHz);

219 to 220 MHz (1000 kHz, already in process);

Satellite downlink, 29.7 to 30.0 MHz (300 kHz).

QI need to know how to convert degrees, minutes, seconds of latitude and longitude to decimal format. Can you help?

A My pleasure. Here's how to do the conversion:

1. Divide the seconds by 60.
2. Add the results to the minutes.
3. Divide the result by 60.
4. Add the result to the degrees.

For example, convert 42° 28' 53" to decimal format...

$$53/60 = 0.8833$$

$$28 + 0.8833 = 28.8833$$

$$28.8833/60 = 0.48139$$

42 + 0.48139 = 42.4814 degrees (when we round off)



I CAN'T FIND THE QSL BUREAU -- SINCE YOU'RE A HAM, CAN I LEAVE THIS HERE?

Minutes OCARC Board Meeting 11/4/95

Meeting was called to order at 8:40 a.m. by President, N6XTJ.

Members present: N6XTJ, WA6VPP, WA6PFA, KC6TAM, KJ6ZH and KD6BWH.

Speaker for November is Fried Heyn.

No treasurer's report was given as WA6VKZ was absent, however, Bob Buss, KD6BWH, had the club checkbook and stated the balance was shown as \$800.16 after deposit made from October meeting.

Membership: 63 paid members.

Activities: No report due to chairman being absent.

Publicity: Club received letter from World Radio. We are not listed as club has not renewed since 11/92. Payment has been authorized, but Bob Buss was not able to verify. Chris, KJ6ZH, moved to issue check and motion was seconded by Bud, WA6VPP.

Motion was passed unanimously by the Board. Bob, KD6BWH, will get the amount and get a check issued.

Technical Committee: No report

Club Auction: Jane, KC6TAM reported club made a profit of \$ 182.50

Old Business:

Christmas Dinner: will be held on 12/10/95 at 6:00 p.m. . The place is Marie Callendar's restaurant on First Street in Tustin. Cost: \$ 14.00 for adults. Reservations must be in by December 1st. Please call Jane Breller at (310) 866-2077.

RF: Bud, WA6VPP, volunteered to be editor for November issue.

Nominating Committee: has a partial slate of officers, but still needs volunteers

The slate is as follows:

President: AF6C
V.P.: W6HHC
Secretary: KJ6ZH
Treasurer: KD6BWH
Activities: KJ6TK
Public Relations: AB6KE
Membership: WA6PFA
Technical Committee: K6VDP
Member at Large: W6NGO
Member at Large: KC6OPI

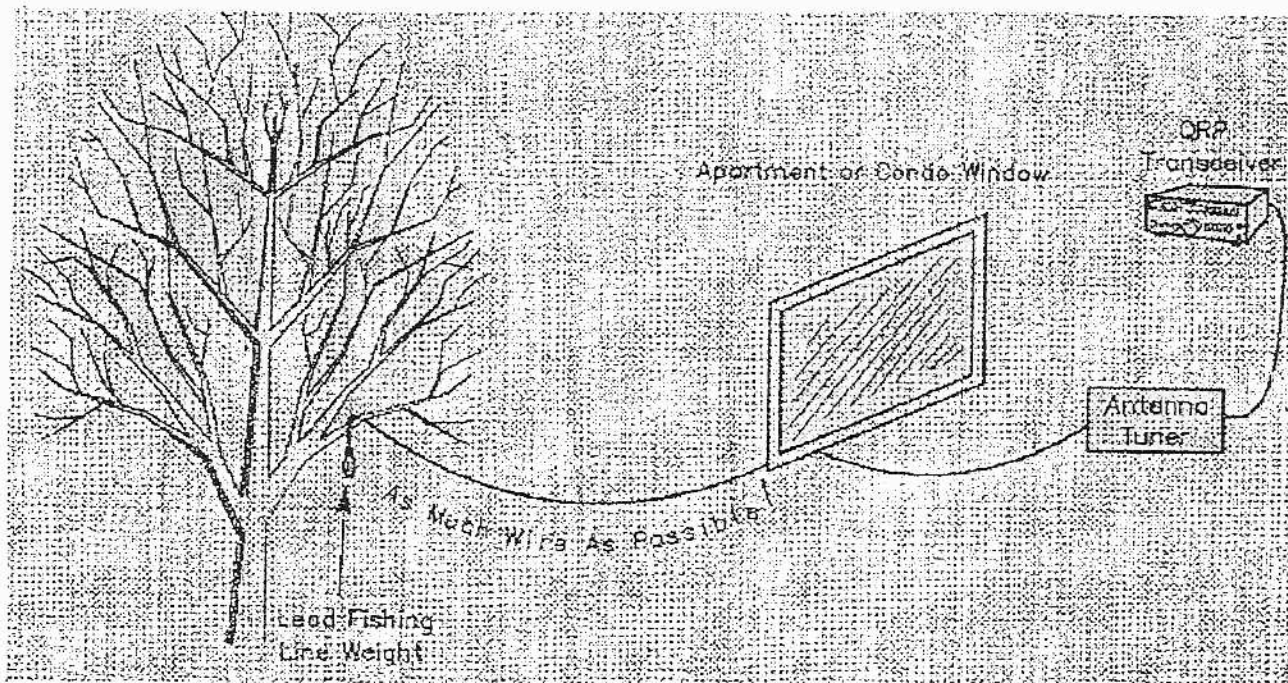
Trailer Committee: Kei has a tarp. Jane, KC6TAM, will check to see if it is covered and will let Bud know.

New Business None

Good of the club: No bulletins.

Meeting was adjourned at 9:05 a.m.

Respectfully submitted, Jane Breller KC6TAM



MOTOROLA EXPERIMENTER'S KITS AVAILABLE

By Paul Pagel, N1FB

◊ To encourage experimentation, Motorola makes available a number of *free* sample kits. These kits are for the true experimenter and consist of a PC board, the Motorola IC's designed for the project, data sheets and applications notes. The kits don't include capacitors, diodes, inductors, resistors, wire, solder and other such parts. There are no step-by-step instructions or designs specifically aimed at amateur applications. It's up to you—the experimenter—to provide those.

Motorola's Sample Kit List for January 1995 includes 44 kits, among them: two wideband FSK receivers; two low-power dual-conversion FM receivers; a waveform generator for monitor applications; two low-power narrowband FM IFs; an infra-red transceiver; a UHF FM/AM transmitter; continuous slope delta demodulator; a power-switching regulator; TV and telephone circuits and others.

If you're interested in obtaining any of these kits, contact your local Motorola distributor or any of the following: Motorola's Literature Distribution Center, tel 800-441-2447; Richardson Electronics, tel 800-348-5580; Pennstock, tel 800-736-7862, and distributors such as Allied, Arrow Electronics, Hamilton-Hallmark and Newark Electronics. Check your telephone book's Yellow Pages for their telephone numbers

1995 Board of Directors

President Jim Roberts ... N6XTJ . 310 986-0121
 Vice President . Cindy Hughes . KC6OPI ... 971-3448
 Secretary Dan Hughes..... KC6ONZ .. 971-3448
 Treasurer Frank Smith ... WA6VKZ ... 838-3180
 Activities Steve Raemussen KE6NAH .. 630-3305
 Membership ... Bud Barkhurst .. WA6VPP , 774-6361
 Public Relations Jane Breller.KC6TAM, 310 866-2077
 Tech Committee Tom Thomas .. WA6PFA .. 771-2917
 Member At Large Chris Breller..KJ6ZH, 310 866-2077
 Member At Large Bob Buss KD6BWH ... 534-2995

Club Appointments

Club Historian . Bob Evans WB6IXN 543-9111
 W6ZE Trustee . Bob Eckweller . AF6C 639-5074
 RF Editor Cindy Hughes .. KC6OPI 971-3448

Dues

Regular Membership ... \$12.00
 Teenage Members 6.00
 Additional Family Members \$5.00 each
 Optional Club Badges5.00

Dues for new members are prorated quarterly from January of each year. Family members must reside at the address of a Regular member. One RF is sent per household.

TCP/IP SOFTWARE

1. If you don't own a packet station now, you'll need to build one. All that's required is a computer, a 2-meter FM transceiver and a *terminal node controller*, or *TNC*. The TNC must be capable of operating in the KISS mode (Keep It Simple, Stupid—no kidding!). All TNCs made within the last eight years or more include KISS. Beware that some TNC emulation systems such as *DIGICOM*, *Poor Man's Packet* and *BAYCOM* may not be compatible with TCP/IP software.

2. Get a version of *NOS*. If you can determine the version that's most popular on your network, it's a good idea to use the same. It's much easier for the locals to help you if you're using similar software (see Step 4).

You'll find *NOS* software on many on-line services such as CompuServe (in the *HamNET* forum) and on a number of ham-oriented computer bulletin boards. (Yes, the ARRL BBS has several *NOS* versions available. Call 203-666-0578 and download one of them!) If you have Internet capability, you can ftp many versions of *NOS* from oak.oakland.edu or ftp.ucsd.edu. *NOS* is also offered for a nominal price by TAPR (Tucson Amateur Packet Radio). For a complete list, send a self-addressed stamped envelope to: TAPR, 8987-309 Tanque Verde Rd, No. 337, Tucson, AZ 85749-9399.

3. Get an IP address. Contact one of the coordinators shown. Some coordinators may prefer to issue a temporary "test" address at first. If you find that you like TCP/IP, they may ask that you send a message to them via the network and request a permanent address. They're not making you jump through hoops for their enjoyment. It's just that they don't want to assign permanent addresses to hams who are not going to be active on the network for the long term.

4. Install your *NOS* and get on the air. I *strongly* recommend that you get outside help from an experienced TCP/IP operator for this step. You must configure your *AUTOEXEC.NOS* file with your IP address, routing parameters (who will relay your packets?) and several other bits of information. This can be a frustrating, time-consuming exercise if you don't know what you're doing!

Local TCP/IP operators are your best resource, by far. They'll be able to help you get your station on the air in the shortest time. They'll also have the most up-to-date version of *DOMAIN.TXT* for your particular network. TCP/IP packeteers are almost evangelical in their quest for new converts, so you'll likely find several willing to assist. If you're already active on standard packet, drop a message on your local bulletin board and ask for assistance. TCP/IPers usually check the local BBSs regularly.

If you must install *NOS* by yourself, pick up a copy of *NOSintro* by Ian Wade, G3NRW. This book will supply much of the information you need. See your favorite dealer



Radio Tips: DX QSL Managers

The easiest and usually most reliable way to get a DX QSL card is from a DX station's *manager*. Many active (and popular) DX stations use managers to lighten the load of incoming and outgoing QSLs. If DX stations are using managers, they'll usually tell you on the air. ("Please QSL to my manager, F6XYZ.")

A QSL manager is another amateur, often in a different country, who acts as a card clearinghouse. You simply send your QSL card to the manager, along with a self-addressed return envelope and an Airmail International Reply Coupon (IRC) or enough money to pay the return postage (usually \$2). IRCs are available at your local post office. Some DX stations have QSL managers in the US; in this case, just send a self-addressed envelope with one unit of First Class postage. The manager checks your information against the DX station's logs and sends you the much-needed card as soon as possible.

When sending a QSL to a DX station's manager, there are a few tips that will make that volunteer's job easier. First, don't even bother to send a QSL (to a QSL manager or to any DX station) unless you show the time and date—in Universal Coordinated Time (UTC)—when the contact took place. Be sure that the self-addressed envelope that you supply is large enough to accommodate a normal-size QSL—unless you like folded cards!

Another technique that will help the manager is to write the call sign of the station that the QSL is for, as well as the date, time and band of the QSO on the back of the return envelope. That way, the manager can arrange the cards for easiest processing while he waits for the logs to come in from the DX station.

Which brings up another point. If you're slow in getting your card from the manager, don't harass him. The QSL manager is at the mercy of the mails, of the DX station and a number of other factors over which he has no control. He is a volunteer, doing a tough job. Treat him kindly. After a wait of some months, or if you have not received the card while everyone else in town have been showing off theirs for weeks, mail a polite note to the manager explaining the circumstances, and enclose an SASE for his reply.

INVITATION

Orange County Amateur Radio Club Christmas Dinner

Date: December, 10, 1995

Time: 6.00 P.M.

Place: Marie Calendars Restaurant

721 First Street

Tustin, CA. 92680

(714) 731-5541

Menu: Grilled Chicken with Rice Pilaf

Home style Pot Roast with Mashed Potatoes

Red Snapper with Garlic Butter Sauce

(Choice of one)

All above dinners served with tossed salad or a cup of chicken noodle soup, coffee, tea, or soft drink. Your choice of pie will be Apple, Pumpkin, or Pecan. .

A child's menu will also be available for those children under age 10. The price for children also includes drink and pie.

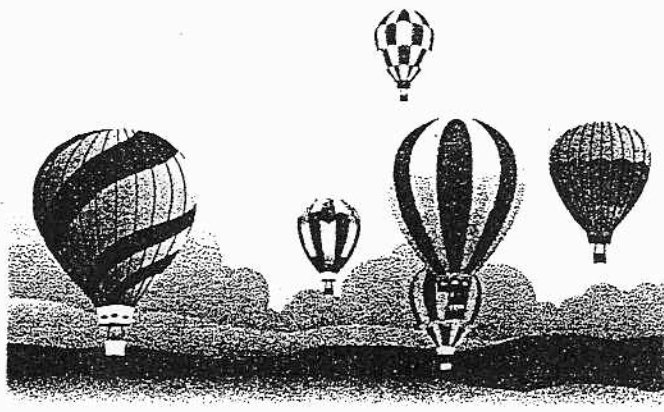
Cost: \$14.00 for Adults \$6.00 for Children

(This includes Tax and Gratuity)

There will be a gift exchange for the Adults. OM's bring gift for OM. Ladies bring a gift for a Lady. Children under age 10 will get a gift from the Club.

If you have any questions, or to make resverations, please call Jane Breller at (310) 866-2077

Resverations need to be made no later than the Club Breakfast on December, 02, 1995



Club Nets

Band	Mode	Day	Local Time	Freq. MHz	Net Control
15 Meters	SSB	Wednesday	8:00 PM	21.375*	AF6C
2 Meters	FM	Wednesday	8:30 PM	146.550 Simplex	WB6IXN
40 Meters	CW	Thursday	7:30 PM	7.135*	WA6RND

(Listen for W6ZE, Net Control) *Plus or Minus QRM

General Meeting

September 15
October 20
November 17

General Meeting is the 3rd Friday of each month at 7:30 PM.
American Red Cross
601 N. Golden Circle Drive, Santa Ana, CA
Talk in Frequency 146.550 simplex
Major Cross Streets: Fourth St. & Tustin Ave.

Board Breakfast

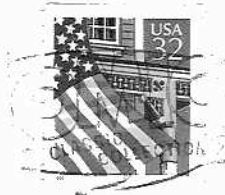
October 7
November 4
December 2

Board Meeting is the 1st Saturday of each month at 8:00 AM.
The Wildflower Restaurant - Members & Visitors are welcome.
Grand Ave., Santa Ana, CA
Exit the 5 freeway at 17th Street, go east to Grand Ave. Go north on Grand; or exit the 22 freeway at Grand/Glasell. Go South to restaurant.

Orange County Amateur Radio Club, Inc.
P.O. Box 3454
Tustin, CA 92681

First Class Mail

personal copy



YOUR

personal copy

Time Dated Material.
Please Rush!

